

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S1 | 16 | javidi-bahram.in. or matoba-osamu.in. | US-PGPUB; USPAT | ADJ | ON | 2006/02/26 08:24 |
| S3 | 2317 | 380/54;382/276,280,305;359/11, 29,238;365/124-125.ccls. and (@ad<"20001127" or @rlad<"20001127") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/07/28 12:10 |
| S5 | 19 | S3 and (optical\$2 with (encrypt\$3 or scrambl\$3) with (image or holograph\$2)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 09:43 |
| S6 | 7 | ("5793871").URPN. | USPAT | ADJ | ON | 2005/07/28 12:58 |
| S7 | 77 | S3 and ((space or spatial or parallel) with (time or temporal or serial) with (conver\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/07/28 15:43 |
| S8 | 8 | S7 and (image with optical with transmi\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 09:59 |
| S9 | 1 | S7 and (optical\$2 with (encrypt\$3 or scrambl\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:02 |
| S10 | 4243 | (space\$1to\$1time or spatial\$1to\$1temporal or parallel\$1to\$1serial) near2 (conver\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/07/28 16:00 |
| S11 | 21 | (space\$1to\$1time or spatial\$1to\$1temporal) near2 (conver\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 14:21 |
| S12 | 12 | S11 and (encrypt\$3 or scrambl\$3 or cipher\$3 or encod\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:03 |
| S13 | 7 | ("5903648").URPN. | USPAT | ADJ | ON | 2005/08/02 12:54 |
| S14 | 1 | leaird-daniel-e.in. | US-PGPUB; USPAT | ADJ | ON | 2006/02/26 10:06 |

EAST Search History

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| S15 | 50810 | (pulse near2 shap\$3) or femtosecond same ultrafast | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 14:22 |
| S16 | 321 | ((pulse near2 shap\$3) or femtosecond) same ultrafast | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 14:24 |
| S17 | 2 | S16 and ((transmitter or receiver) with conver\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:07 |
| S18 | 52948 | ((pulse near2 shap\$3) or femtosecond) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 14:25 |
| S19 | 50622 | (pulse near2 shap\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 14:25 |
| S20 | 1210 | S19 and ((space or spatial or parallel) with (time or temporal or serial) with (conver\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 14:26 |
| S21 | 174 | S20 and (encrypt\$3 or scrambl\$3 or cipher\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 14:26 |
| S22 | 124 | S20 and ((encrypt\$3 or scrambl\$3 or cipher\$3) with (send\$3 or transmit\$4 or receiv\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 14:27 |
| S23 | 87 | S22 and (@ad<"20001127" or @rlad<"20001127") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 14:29 |
| S24 | 57 | S23 and (optical or image or holograph\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:12 |

EAST Search History

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| S25 | 28 | (spectral adj holograph\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 17:28 |
| S26 | 4 | S25 and (encrypt\$3 or scrambl\$3 or cipher\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:13 |
| S27 | 2 | ("5668647").URPN. | USPAT | ADJ | ON | 2005/08/02 17:32 |
| S28 | 2 | ("5528389").URPN. | USPAT | ADJ | ON | 2005/08/02 18:19 |
| S29 | 441 | (encrypt\$3 near5 (database or storage)) with (optical or image or holograph\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 18:20 |
| S30 | 270 | (encrypt\$3 near3 (database or storage)) with (optical or image or holograph\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 18:21 |
| S31 | 214 | (encrypt\$3 near3 (database or storage)) near6 (optical or image or holograph\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2005/08/02 18:24 |
| S32 | 6 | S31 and ((space or spatial or parallel) with (time or temporal or serial) with (conver\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:15 |
| S37 | 16 | javidi-bahram.in. or matoba-osamu.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2006/10/19 11:38 |
| S38 | 2349 | 380/54;382/276,280,305;359/11, 29,238;365/124-125.ccls. and (@ad<"20001127" or @rlad<"20001127") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 15:00 |
| S39 | 19 | S38 and (optical\$2 with (encrypt\$3 or scrambl\$3) with (image or holograph\$2)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:43 |

EAST Search History

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| S40 | 78 | S38 and ((space or spatial or parallel) with (time or temporal or serial) with (conver\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:50 |
| S41 | 8 | S40 and (image with optical with transmi\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:45 |
| S42 | 1 | S40 and (optical\$2 with (encrypt\$3 or scrambl\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:02 |
| S43 | 22 | (space\$1to\$1time or spatial\$1to\$1temporal) near2 (conver\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:03 |
| S44 | 13 | S43 and (encrypt\$3 or scrambl\$3 or cipher\$3 or encod\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:47 |
| S46 | 2 | leaird-daniel-e.in. | US-PGPUB; USPAT | ADJ | ON | 2006/02/26 10:06 |
| S47 | 364 | ((pulse near2 shap\$3) or femtosecond) same ultrafast | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:07 |
| S48 | 18 | S47 and ((transmit\$4 or receiv\$3) with conver\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:07 |
| S50 | 52273 | (pulse near2 shap\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:12 |
| S51 | 1316 | S50 and ((space or spatial or parallel) with (time or temporal or serial) with (conver\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:53 |

EAST Search History

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| S52 | 136 | S51 and ((encrypt\$3 or scrambl\$3 or cipher\$3) with (send\$3 or transmit\$4 or receiv\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:12 |
| S53 | 89 | S52 and (@ad<"20001127" or @rlad<"20001127") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:12 |
| S54 | 57 | S53 and (optical or image or holograph\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:47 |
| S55 | 31 | (spectral adj holograph\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:13 |
| S56 | 5 | S55 and (encrypt\$3 or scrambl\$3 or cipher\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:13 |
| S57 | 243 | (encrypt\$3 near3 (database or storage)) near6 (optical or image or holograph\$6) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:15 |
| S58 | 7 | S57 and ((space or spatial or parallel) with (time or temporal or serial) with (conver\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/02/26 10:15 |
| S59 | 0 | S38 and ((data information signal pulse) with broaden\$3 same overlap\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:55 |
| S60 | 0 | S51 and ((data information signal pulse) with broaden\$3 same overlap\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 12:03 |
| S62 | 0 | S38 and ((data information signal pulse) with (sampl\$3 measur\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:56 |

EAST Search History

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| S63 | 0 | S51 and ((data information signal pulse) with (sampl\$3 measur\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 12:03 |
| S64 | 22 | javidi-bahram.in. or matoba-osamu.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2007/04/10 12:10 |
| S65 | 2413 | 380/54;382/276,280,305;359/11, 29,238;365/124-125.ccls. and (@ad<"20001127" or @rlad<"20001127") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:43 |
| S66 | 23 | S65 and (optical\$2 with (encrypt\$3 or scrambl\$3) with (image or holograph\$2)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 12:23 |
| S67 | 80 | S65 and ((space or spatial or parallel) with (time or temporal or serial) with (conver\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:45 |
| S68 | 8 | S67 and (image with optical with transmi\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 12:25 |
| S69 | 22 | (space\$1to\$1time or spatial\$1to\$1temporal) near2 (conver\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:47 |
| S70 | 13 | S69 and (encrypt\$3 or scrambl\$3 or cipher\$3 or encod\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:16 |
| S71 | 54393 | (pulse near2 shap\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:47 |
| S72 | 1455 | S71 and ((space or spatial or parallel) with (time or temporal or serial) with (conver\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:47 |

EAST Search History

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| S73 | 187 | S72 and ((encrypt\$3 or scrambl\$3 or cipher\$3) with (send\$3 or transmit\$4 or receiv\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:47 |
| S74 | 95 | S73 and (@ad<"20001127" or @rlad<"20001127") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 11:47 |
| S75 | 61 | S74 and (optical or image or holograph\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:22 |
| S76 | 0 | S65 and ((data information signal pulse) with broaden\$3 same overlap\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:14 |
| S77 | 0 | S65 and ((data information signal pulse) with (sampl\$3 measur\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:15 |
| S78 | 0 | S65 and ((sampl\$3 measur\$3 threshold\$3) same ((recover\$3 restor\$5) with (lost near3 (data information)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:16 |
| S79 | 0 | S72 and ((data information signal pulse) with broaden\$3 same overlap\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/11 09:33 |
| S80 | 0 | S72 and ((data information signal pulse) with (sampl\$3 measur\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2006/10/19 12:03 |
| S81 | 0 | S72 and ((sampl\$3 measur\$3 threshold\$3) same ((recover\$3 restor\$5) with (lost near3 (data information)))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/19 12:25 |

EAST Search History

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|-----|------|--|---|-----|----|------------------|
| S82 | 0 | (optical\$2 AND (encrypt\$3 cipher\$3) AND (space spatial parallel) AND (time temporal serial) AND conver\$4 AND (sampl\$3 measur\$3) AND (decrypt\$3 decipher\$3) AND threshold\$3 AND (recover\$3 restor\$3) AND (lost near2 (data information))))).clm. | US-PGPUB | OR | ON | 2006/10/19 12:32 |
| S83 | 957 | 714/1-2,100.ccls. and (@ad<"20001127" or @rlad<"20001127") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/19 15:00 |
| S84 | 1 | S83 and ((sampl\$3 measur\$3 threshold\$3) same ((recover\$3 restor\$5) with (lost near3 (data information)))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/19 15:01 |
| S85 | 6 | S83 and ((sampl\$3 measur\$3 threshold\$3) same ((recover\$3 restor\$5 correct\$3) with ((lost error) near3 (data information)))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/19 15:02 |
| S86 | 26 | javidi-bahram.in. or matoba-osamu.in. | US-PGPUB; USPAT; EPO; JPO; DERWENT | ADJ | ON | 2007/04/10 12:11 |
| S87 | 2441 | 380/54;382/276,280,305;359/11, 29,238;365/124-125.ccls. and (@ad<"20001127" or @rlad<"20001127") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 12:23 |
| S88 | 24 | S87 and (optical\$2 with (encrypt\$3 or scrambl\$3) with (image or holograph\$2)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 12:23 |
| S89 | 82 | S87 and ((space or spatial or parallel) with (time or temporal or serial) with (conver\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 12:25 |

EAST Search History

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| S90 | 8 | S89 and (image with optical with transmi\$5) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 12:25 |
| S91 | 0 | S87 and ((data information signal pulse) with broaden\$3 same overlap\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:14 |
| S92 | 0 | S87 and ((data information signal pulse) with (sampl\$3 measur\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:15 |
| S93 | 0 | S87 and ((sampl\$3 measur\$3 threshold\$3) same ((recover\$3 restor\$5) with (lost near3 (data information)))) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:16 |
| S94 | 55818 | (pulse near2 shap\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:22 |
| S95 | 1526 | S94 and ((space or spatial or parallel) with (time or temporal or serial) with (conver\$4)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/11 09:32 |
| S96 | 198 | S95 and ((encrypt\$3 or scrambl\$3 or cipher\$3) with (send\$3 or transmit\$4 or receiv\$3)) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:22 |
| S97 | 97 | S96 and (@ad<"20001127" or @riad<"20001127") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/11 09:34 |
| S98 | 62 | S97 and (optical or image or holograph\$2) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:22 |
| S99 | 0 | S95 and ((data information signal pulse) with broaden\$3 same overlap\$4) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/04/10 13:42 |

EAST Search History

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|----------|--------|---|---|----|-----|------------------|
| S10 0 | 1 | ("20040175174").PN. | US-PGPUB; USPAT | OR | OFF | 2007/04/10 13:42 |
| S10 1 | 54940 | ((space or spatial or parallel) with (time or temporal or serial) with (conver\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/11 09:57 |
| S10 2 | 456 | ((data information signal pulse) with broaden\$3 same overlap\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/11 09:58 |
| S10 3 | 15 | S101 and S102 and (@ad<"20001127" or @rlad<"20001127") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/11 09:59 |
| S10 4 | 8947 | ((space or spatial) with (time or temporal) with (conver\$4)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/11 09:57 |
| S10 5 | 117768 | ((data information signal pulse) with overlap\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/11 09:58 |
| S10 6 | 400 | S104 and S105 and (@ad<"20001127" or @rlad<"20001127") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/11 10:06 |
| S10 7 | 19 | (S104 same S105) and (@ad<"20001127" or @rlad<"20001127") | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/04/11 10:07 |